Dart Aerospace Ltd. Tuesday, 3/20/2007 1:51:54 PM Date: Kim Johnston **Process Sheet** : `AFT CROSSTUBE **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer Job Number : 31371 : 10377 **Estimate Number** : D2890 Part Number : NA P.O. Number S.O. No. : N/A D2890 REV B **Drawing Number** : 3/20/2007 This Issue : N/A Project Number Prsht Rev. : PURCHASED PARTS **Drawing Revision** First Issue :NIA : 31370 Material Previous Run Qty: 1 Um: Each : 4/10/2007 Due Date --Written By Checked & Approved By Removed Bending procedures KJ/JLM : Est. 05.03.21 Comment **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: Crosstube extrusion 1.0 D6008180 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Pick: Batch Description Qtv Part # 25667 D6008-180 Crosstube extrusion 2.0 BENDING Comment: BENDING MACHINE 1-Bend D2890 as per Dwg D2890 and Folio FT002 DIMENSIONAL CHECK 3.0 QC6 Comment: DIMENSIONAL CHECK LANDING GEAR RESOURCE 1 4.0 LANDING GEAR 1 Comment: LANDING GEAR RESOURCE 1 1-Deburr and Polish HAMO FINISHING RESOURCE #1 HAND FINISHING 5.0 Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

## **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
		•								
				-						
Part No	:	PAR #: Fault Category:	NCR: Yes	No) DQ	A: D	Date: (	A/06/00			

QA: N/C Closed: \_\_\_\_ Date: \_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC	Corrective Action Section B		Varification					
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector		
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					:					

NOTE: Date & initial all entries

Date:

Tuesday, 3/20/2007 1:51:55 PM

User:

Kim Johnston

**Process Sheet** 

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: AFT CROSSTUBE

Job Number: 31371

Part Number: D2890

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

QC3

INSPECT POWDER COAT/CHETICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: WO

8.0



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



## **Dart Aerospace Ltd**

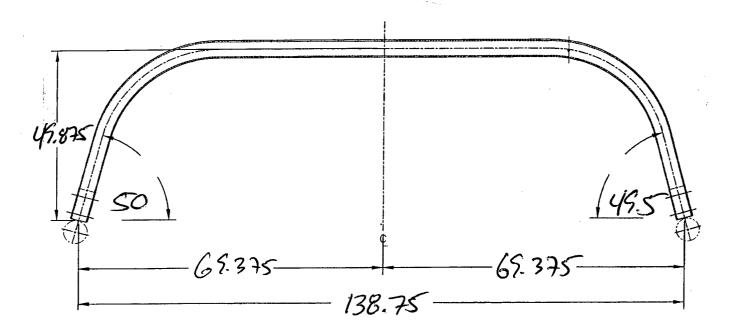
W/O:		W	WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHA	INGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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dan Maja	,							
Part No	•	PAR #: Fault Cate	egory: NCR:	Yes	No <b>DQA</b>	:	_ Date:	
				OA · N	IC Classed		Data	

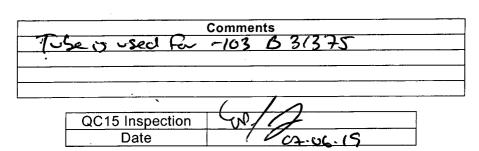
NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC	Corrective Action Section B		Verification	A				
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector		
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NOTE: Date & initial all entries

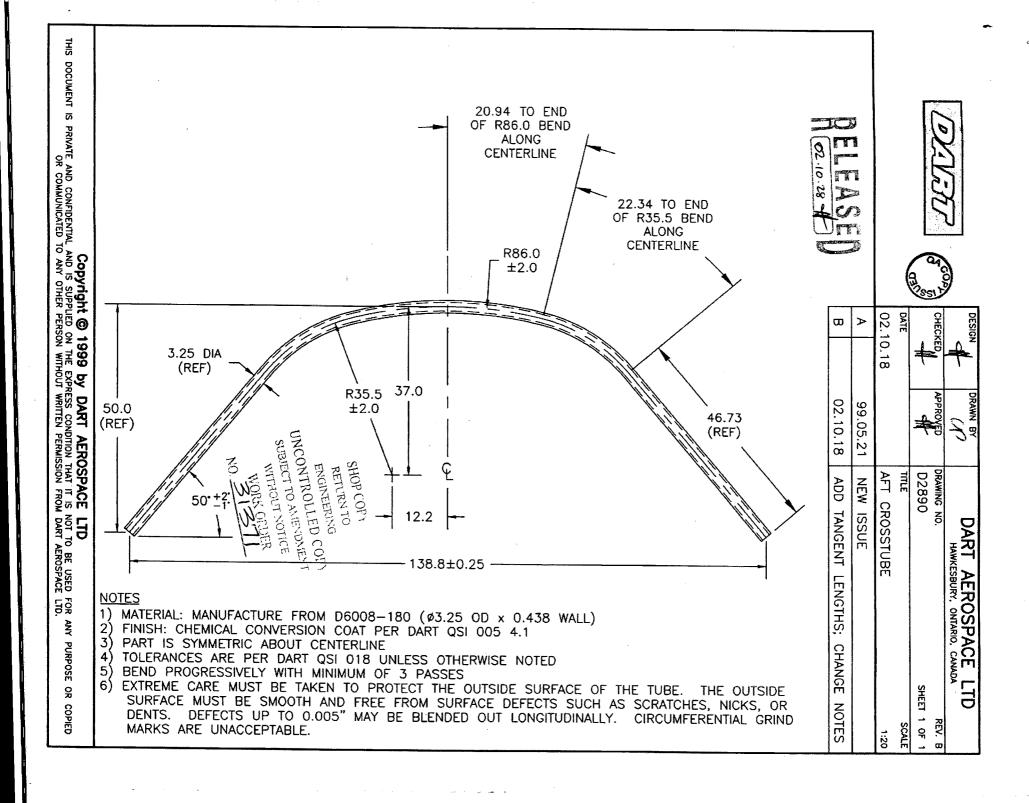
DART AEROSPACE LTD	Work Order:	31371
Description: Crosstube Aft	Part Number:	D2890
Inspection Dwg: D2890 Rev: B		Page 1 of 1

Required Dimension	Min	Max
Height	49.875	50.125
1/2 Span	69.275	69.525
Angle	49	52
Total Span	138.55	139.05





Rev	Date	Change	Revised by	Apprøved
Α	07.02.06	New Issue	KJ/JM C	m
			. ()	

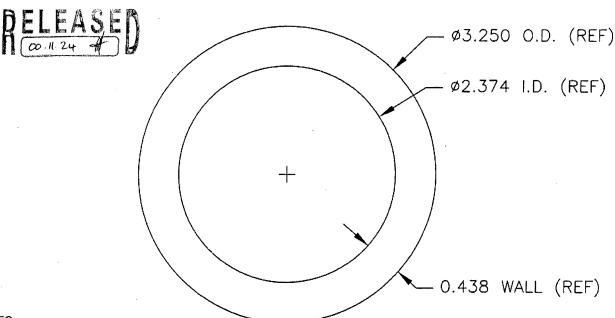






	DESIGN P	DRAWN BY	DART AEROSPACE LT HAWKESBURY, ONTARIO, CANADA	D
ı	CHECKED	APPROVED	DRAWING NO.	REV. A
	4	#	D6008 sh	EET 1 OF 1
	DATE		TITLE	SCALE
	00.11.17		CROSSTUBE MATERIAL	1:1
Ī	Α	00.11.17	NEW ISSUE	

## SPECIFICATION CONTROL DRAWING



## **NOTES**

1) D6008-XXX CROSSTUBE LENGTH

WHERE XXX IS LENGTH IN INCHES EG. 180" LONG TUBE: D6008-180 -

2) MATERIAL: 3.250 OD x 0.438 WALL 7075-T6/T6511 (WW-T-700/7 OR QQHAP-225/9 OR

QQ-A-200/11) SEAMLESS ALUMINUM TUBE.

RETURN TO

MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi MINIMUM YIELD TENSILE STRENGTH = 66 ksi

ENGINEERING

UNCONTROLLED COPY

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

SUBJECT TO AMENDMENT WITHOUT NOTICE

O.D.:  $\pm$  0.008 MEAN ( $\pm$ 0.016 INCLUDING OVALITY) WALL: ±0.020 MEAN (±0.044 INCLUDING ECCENTRICITY) LENGTH: XXX +0.125/-0.000

WORK ORDER

STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH

4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS DEFECTS UP TO 0.005" MAY BE BLENDED OUT SCRATCHES, NICKS, OR DENTS.

L'ONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

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